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1. The first step is to identify the problem or question that needs to be addressed. This involves understanding the context and the specific requirements of the task.

2. Next, it is important to gather relevant information and resources. This can include researching existing solutions, consulting with experts, and collecting data.

3. Once the information is gathered, the next step is to analyze it and identify the key factors that influence the outcome. This often involves breaking down the problem into smaller, more manageable parts.

4. After analysis, a plan should be developed that outlines the steps to be taken to solve the problem. This plan should be flexible enough to allow for adjustments as more information becomes available.

5. The final step is to implement the plan and monitor the progress. It is important to stay organized and keep track of the results to ensure that the problem is being solved effectively.

19. (new) The tyre of claim 18, wherein the at least one ply comprises two series of bands radially superimposed at least on the crown portion of the tyre.

20. (new) The tyre of claim 16, wherein the annular reinforcing cores, in a cross-sectional plane, are formed with an irregular trapezoidal shape comprising two bases, a radially internal base and a radially external base, and two inclined sides, an axially internal side and an axially external side.

21. (new) The tyre of claim 20, wherein a first angle of inclination, with respect to the axis of rotation of the tyre, of the axially internal side of the trapezoidal shape is smaller than a second angle of inclination of the neutral profile of the reinforcing structure in a region of the axially internal side, and wherein a third angle of inclination, with respect to the axis of rotation of the tyre, of the axially external side of the trapezoidal shape is greater than the second angle of inclination of the neutral profile of the reinforcing structure in the region of the axially external side.

22. (new) The tyre of claim 20, wherein a longitudinal dimension of the inclined sides of the annular reinforcing cores is between 10 mm and 25 mm, and a transverse dimension of the bases of the annular reinforcing cores is between 7 mm and 20 mm.

23. (new) The tyre of claim 16, wherein the spirals of metal wire comprise steel with a high carbon content.

24. (new) The tyre of claim 16, wherein a cross section of the metal wire is hexagonal.

25. (new) The tyre of claim 16, wherein the annular reinforcing cores comprise a series of radially superimposed spirals of flat metal strip.

26. (new) The tyre of claim 16, wherein the annular reinforcing cores are not subject to a twisting torque due to an inflation pressure of the tyre.

27. (new) A method for increasing a load capacity of a tyre for vehicle wheels, the tyre comprising a torus-shaped carcass having a central crown portion and two axially opposite sidewalls terminating in a pair of beads for fixing the tyre onto a corresponding mounting rim, each bead comprising at least one circumferentially unextendable annular reinforcing core comprising a series of spirals of metal wire radially superimposed and axially arranged alongside each other, the carcass having a reinforcing structure comprising at least one ply of rubberized fabric reinforced with metal cords lying in radial planes containing an axis of rotation of the tyre, the reinforcing structure having ends secured to the annular reinforcing cores and a neutral profile, lying in a radial cross-sectional plane, axially extending from bead to bead, the method comprising the steps of:

causing the neutral profile to intersect a cross section of a zone enclosing the annular reinforcing cores; and

causing the neutral profile to have a continuous curvature devoid of inflection points along an extension between the beads.